



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Pollmann, et al.)
)
App. No. : 09/800,268)
)
Filed : March 5, 2001)
)
For : EQUALIZER PERFORMANCE)
ENHANCEMENTS FOR)
BROADBAND WIRELESS)
APPLICATIONS)
)
Examiner : Unknown)
)

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and

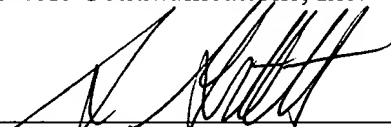
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Filed : March 5, 2001

revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

Ensemble Communications, Inc.

Dated: June 8, 2001

By: 
Sheldon Gilbert

Title: Executive Vice President,
Engineering and Operations

Address: 9890 Towne Centre Drive
San Diego, CA 92121

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Application No.: 09/800,268
Filing Date: March 5, 2001

PATENT
Client Code: ENSEMB.003A
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ASSIGNMENT


WHEREAS, We, Stephen C. Pollmann, a U.S. citizen, residing at 8531 Tyler Street, San Jose, CA 92071; Eli Arviv, an Israeli citizen, residing at 25/4 Emek Ayalon Street, Modiein, 71700 Israel; Jacques Behar, an Israeli citizen, residing at 5823 Erlanger, San Diego, CA 92122; Timothy L. Gallagher, a U.S. citizen, residing at 840 Val Sereno Drive, Encinitas, CA 92024; David Gazelle, an Israeli citizen, residing at 7B Oranim Street, Givat Shmuel 54052 Israel; and Frederick W. Price, a U.S. citizen, residing at 2528 El Gavilan Court, Carlsbad, CA 92009, have invented certain new and useful improvements in **EQUALIZER PERFORMANCE ENHANCEMENTS FOR BROADBAND WIRELESS APPLICATIONS** for which we have filed an application for Letters Patent in the United States, Application No. 09/800,268 Filing Date March 5, 2001. The undersigned hereby authorizes and requests the attorneys of record Knobbe, Martens, Olson & Bear, LLP, Customer No. 20,995 to insert the serial number of the application.

AND WHEREAS, Ensemble Communications, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 9890 Towne Centre Drive, San Diego, CA 92121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1 day of April, 2001.


Stephen C. Pollmann

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

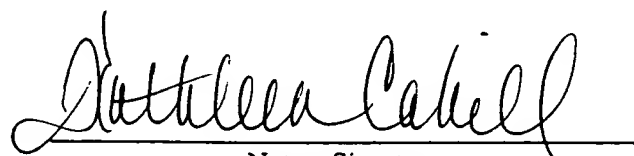
On 4/4/01, before me, KATHLEEN CAHILL, personally appeared Stephen C. Pollmann personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and

that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]




Notary Signature

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Filing Date: March 5, 2001

PATENT
Client Code: ENSEMB.003A
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of April, 2001.

27-4-01
Eli Arviv

STATE OF

COUNTY OF

} ss.

On _____, before me, _____, personally appeared Eli Arviv personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 2001.

Jacques Behar

STATE OF

COUNTY OF

} ss.

On _____, before me, _____, personally appeared Jacques Behar personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2001.

Eli Arviv

STATE OF _____ }
COUNTY OF _____ } ss.

On _____, before me, _____, personally appeared Eli Arviv personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5 day of April, 2001.

Jacques Behar

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

On 4/5/01, before me, KATHLEEN CAHILL, personally appeared Jacques Behar personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2nd day of April, 2001.

Timothy L. Gallagher
Timothy L. Gallagher

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

On 4/2/01, before me, KATHLEEN CAHILL, personally appeared Timothy L. Gallagher personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Kathleen Cahill
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2 day of April, 2001.

David Gazelle
David Gazelle

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

On 4/2/01, before me, KATHLEEN CAHILL, personally appeared David Gazelle personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Kathleen Cahill
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10th day of April, 2001.

Frederick W. Price
Frederick W. Price

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

On 4/10/01, before me, KATHLEEN CAHILL, personally appeared Frederick W. Price personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Kathleen Cahill
Notary Signature